



# ARHG4 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-06094
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ARHGEF4 KIAA1112
<b>Protein Name</b>	Rho guanine nucleotide exchange factor 4 (APC-stimulated guanine nucleotide exchange factor 1) (Asef) (Asef1)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 270-350
<b>Specificity</b>	ARHG4 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	75kD
<b>Cell Pathway</b>	[Isoform 3]: Cytoplasm. Cell projection, ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Associated with membrane ruffles. .
<b>Tissue Specificity</b>	Expressed at high levels in the brain, skeletal muscle and testis and at low levels in the kidney, lung, small intestine, ovary and prostate. Expression is aberrantly enhanced in most colorectal tumors.
<b>Function</b>	function:Acts as guanine nucleotide exchange factor (GEF) for RhoA and RAC1 GTPases. Binding of APC may activate RAC1 GEF activity. The APC-ARHGEF4 complex seems to be involved in cell migration as well as in E-cadherin-mediated cell-cell adhesion.,sequence caution:Translation N-terminally extended.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 SH3 domain.,subcellular location:Associated with membrane ruffles.,subunit:Isoform 3 interacts with RHOA and RAC1, and through its N-terminus with APC. Found in a complex consisting of ARHGEF4, APC and CTNNB1.,tissue specificity:Expressed at low levels in brain, kidney, lung and muscle.,
<b>Background</b>	Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The protein encoded by this gene may form complex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript variants



encoding different isoforms have been found, but the full-length nature of some variants has not been determined. [provided by RefSeq, Jun 2013],

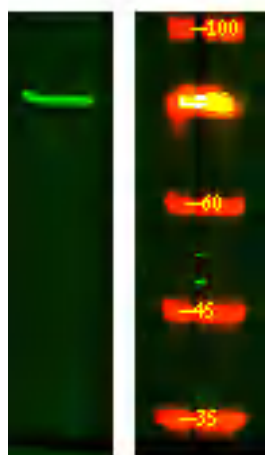
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western Blot analysis of HEK293 lysis, using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000